

FIG. 2

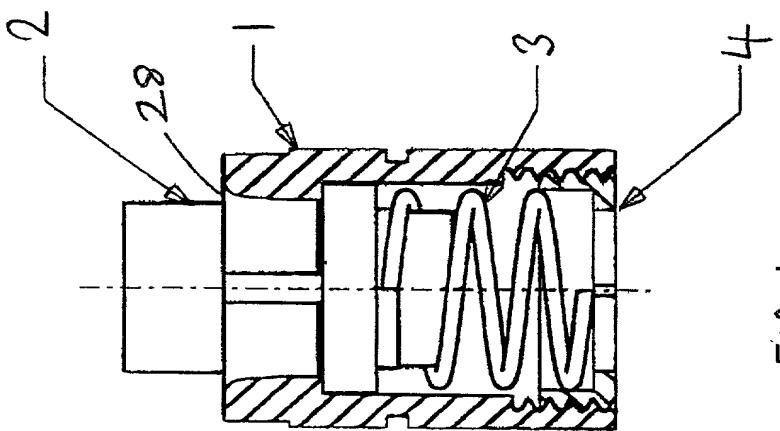
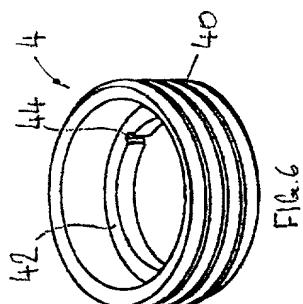
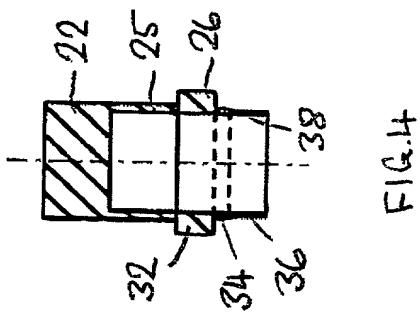
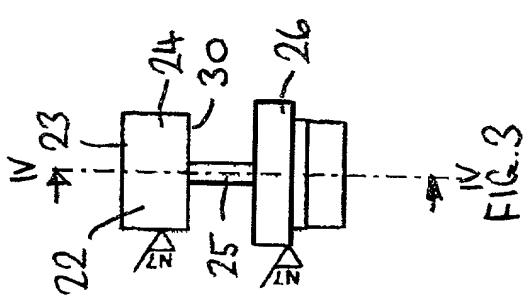
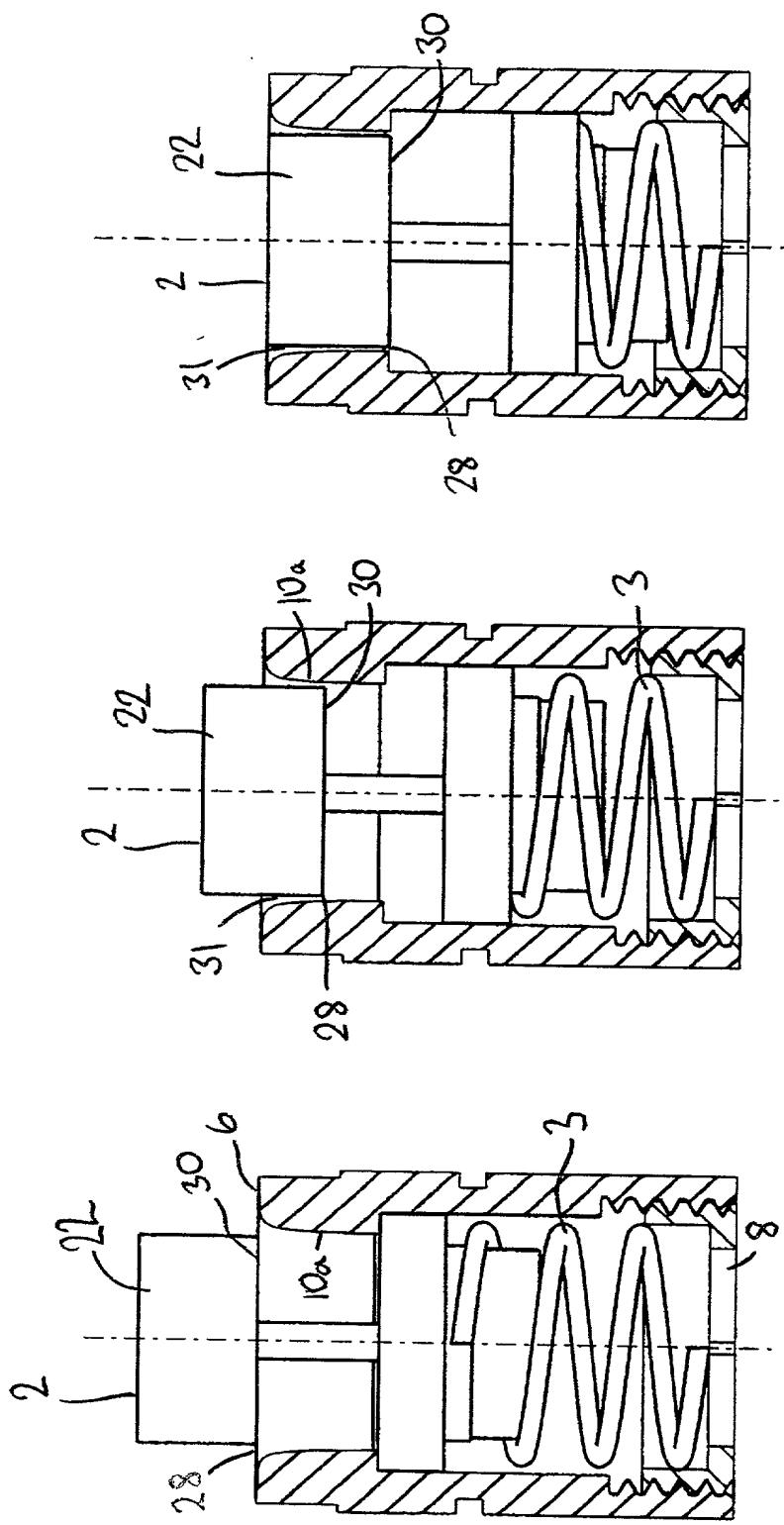


FIG. 1





A) POSITION :- FULLY
OPEN

B) POSITION :- INTERMEDIATE
OPEN

C) POSITION :- FULLY
CLOSED

Fig. 7

Fig. 8

Fig. 9

$$\frac{K_1(x-z)^2 + K_2(x-z)}{R_s} = A_p(H_4 - H_2) - A_{h_{av}}(H_3 - H_4)$$

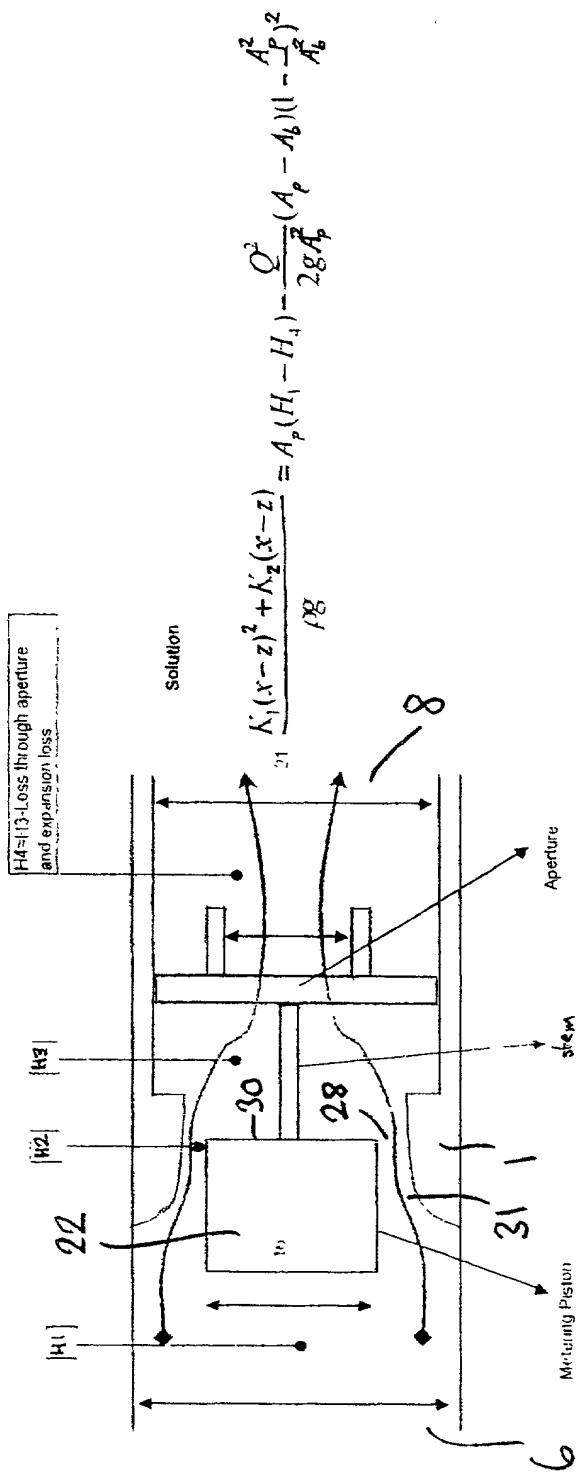


Fig. 10

TYPICAL TRUMPET SIZES VS FLOW RATE

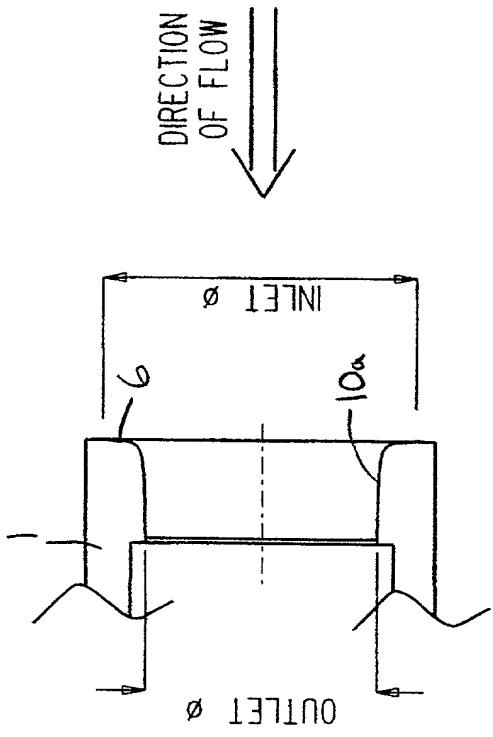


Fig. II

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SIZE	INLET DIA	OUTLET DIA	FLOW RATE l/s
3/4"	26.750	17.474	0.221
3/4"	26.626	19.059	1.199
1 1/4"	33.271	23.679	0.758
1 1/4"	31.422	24.357	1.263
2"	45.556	31.385	1.263
2"	45.575	33.343	3.157
3"	67.979	45.665	7.261

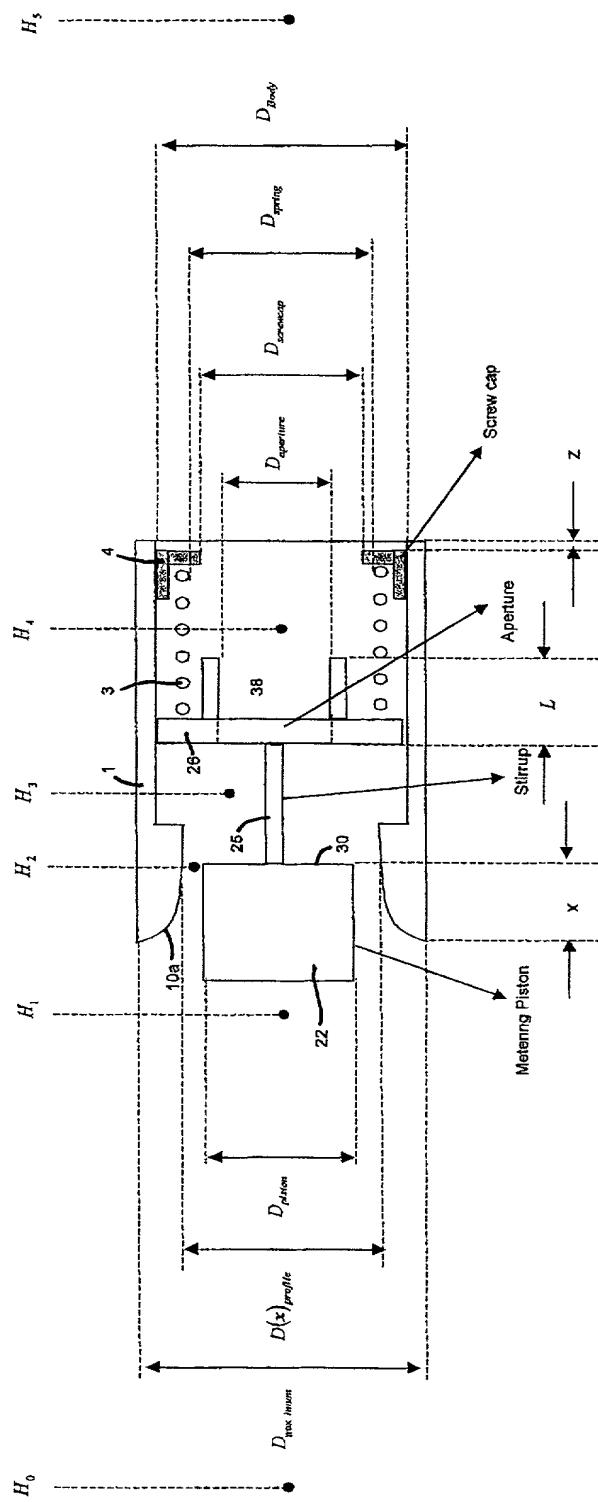


FIGURE 12

Force balance

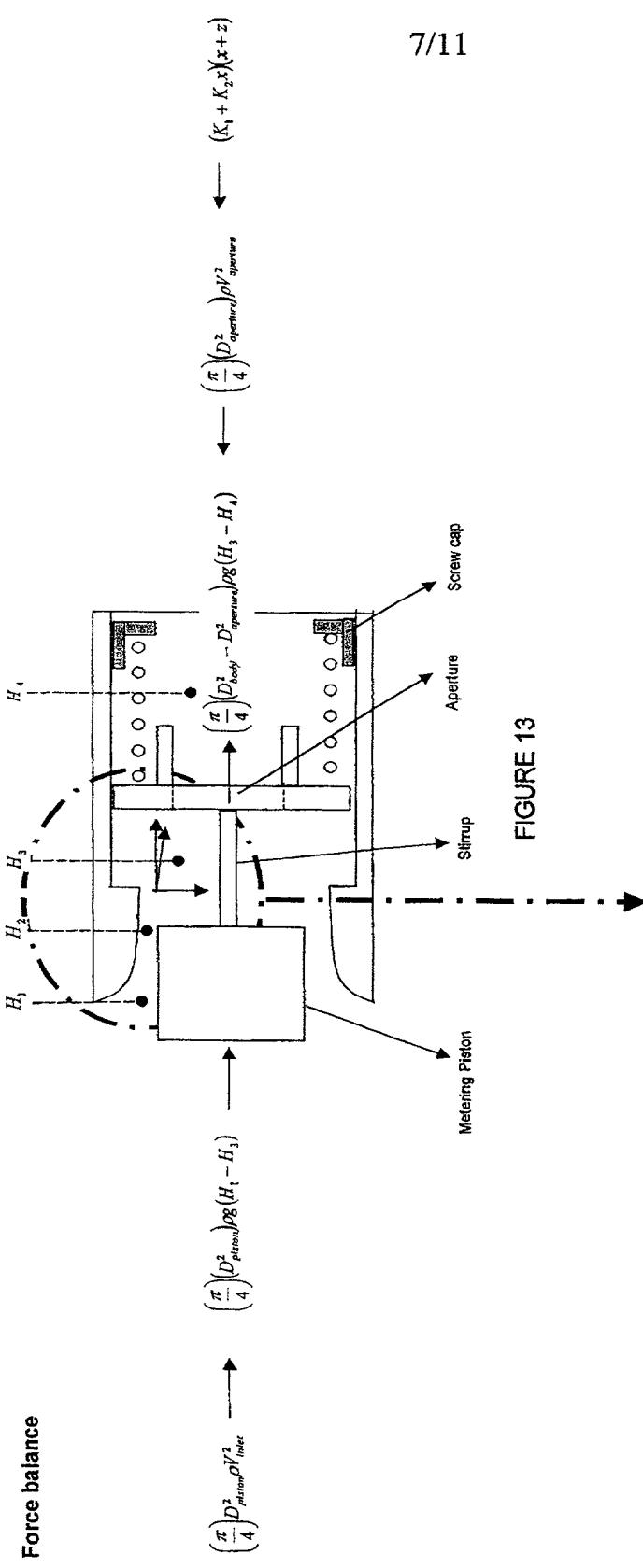


FIGURE 13

Force exerted by the emergent annular jet

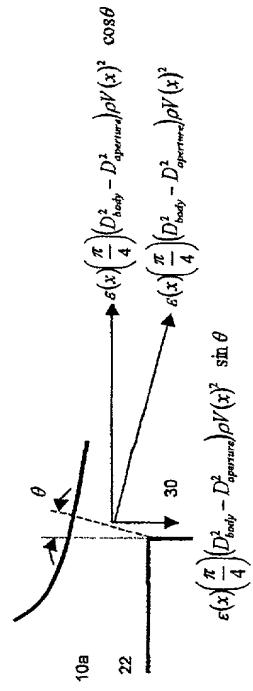


FIGURE 14

Figure 15 shows a schematic diagram of a fluid flow system with various components and associated equations for calculating head loss and pressure drop.

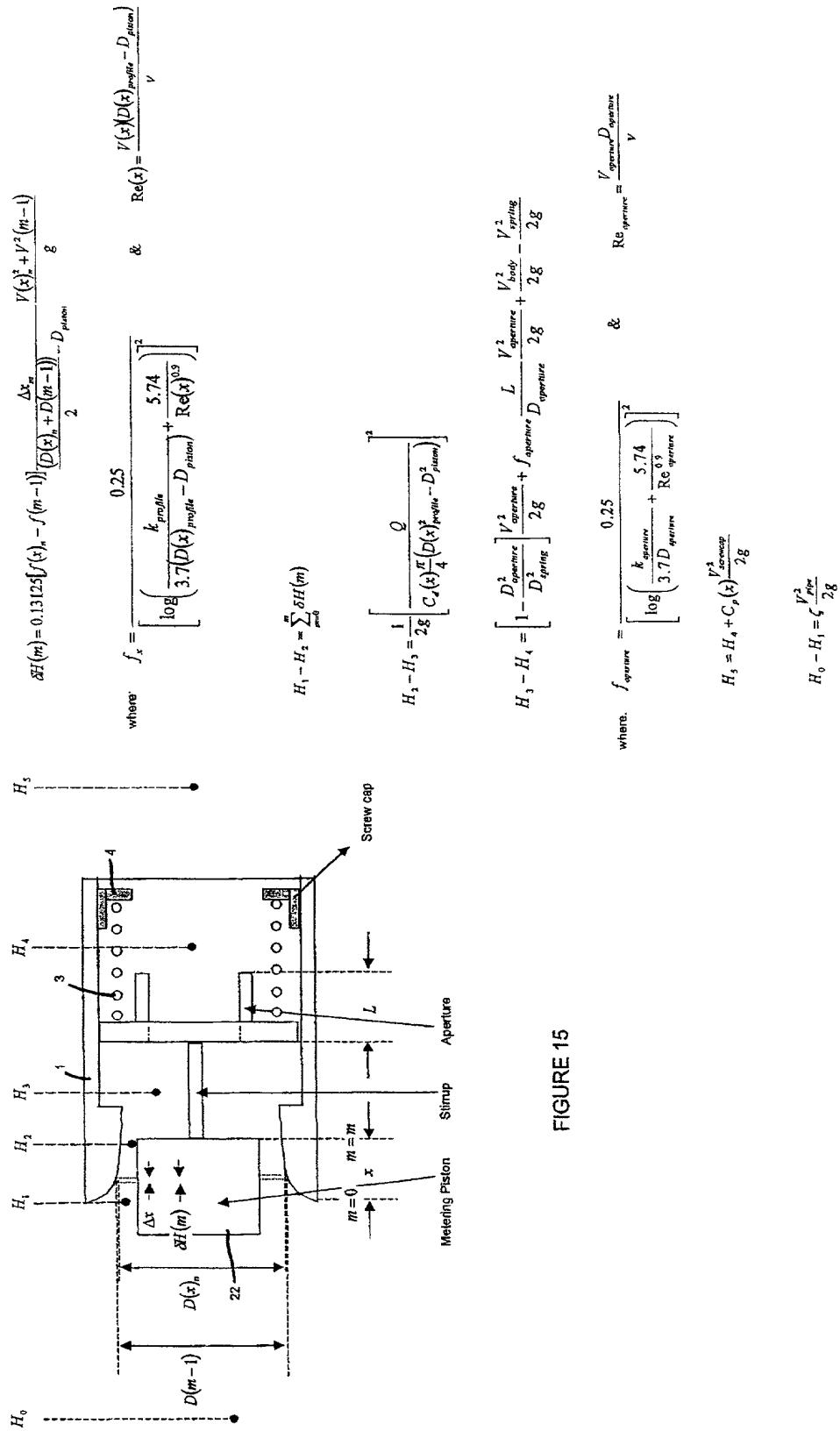
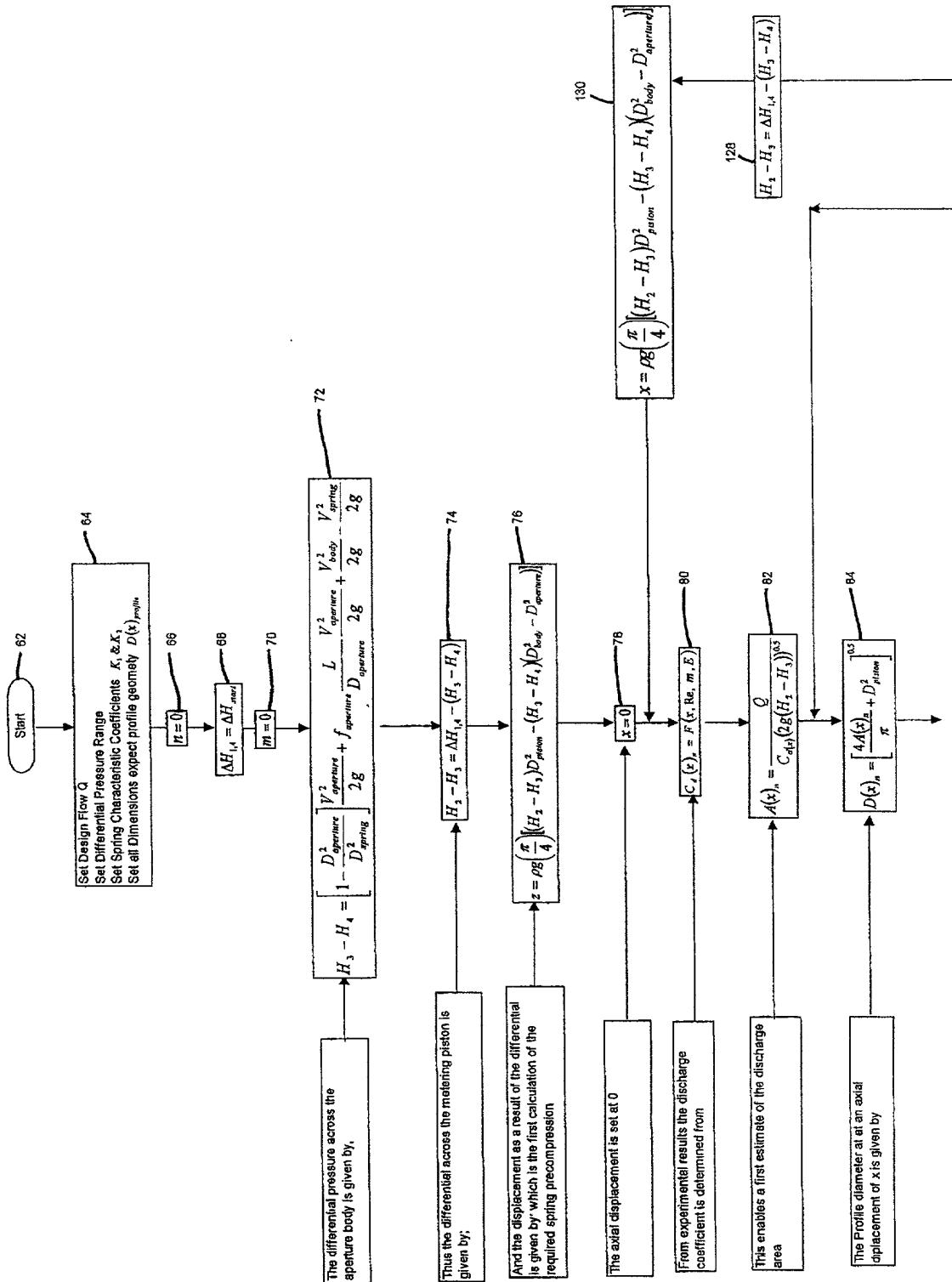
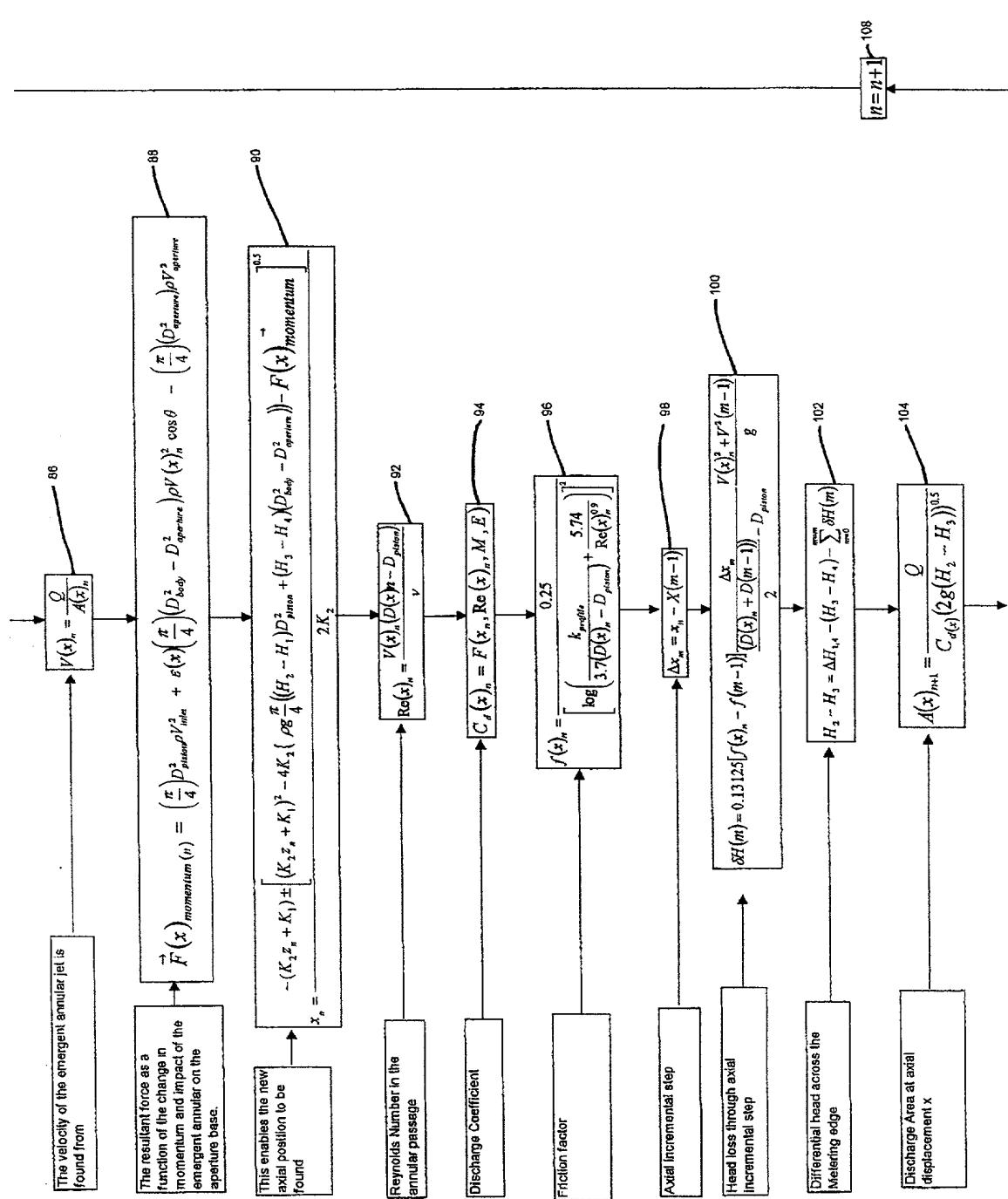


FIGURE 15





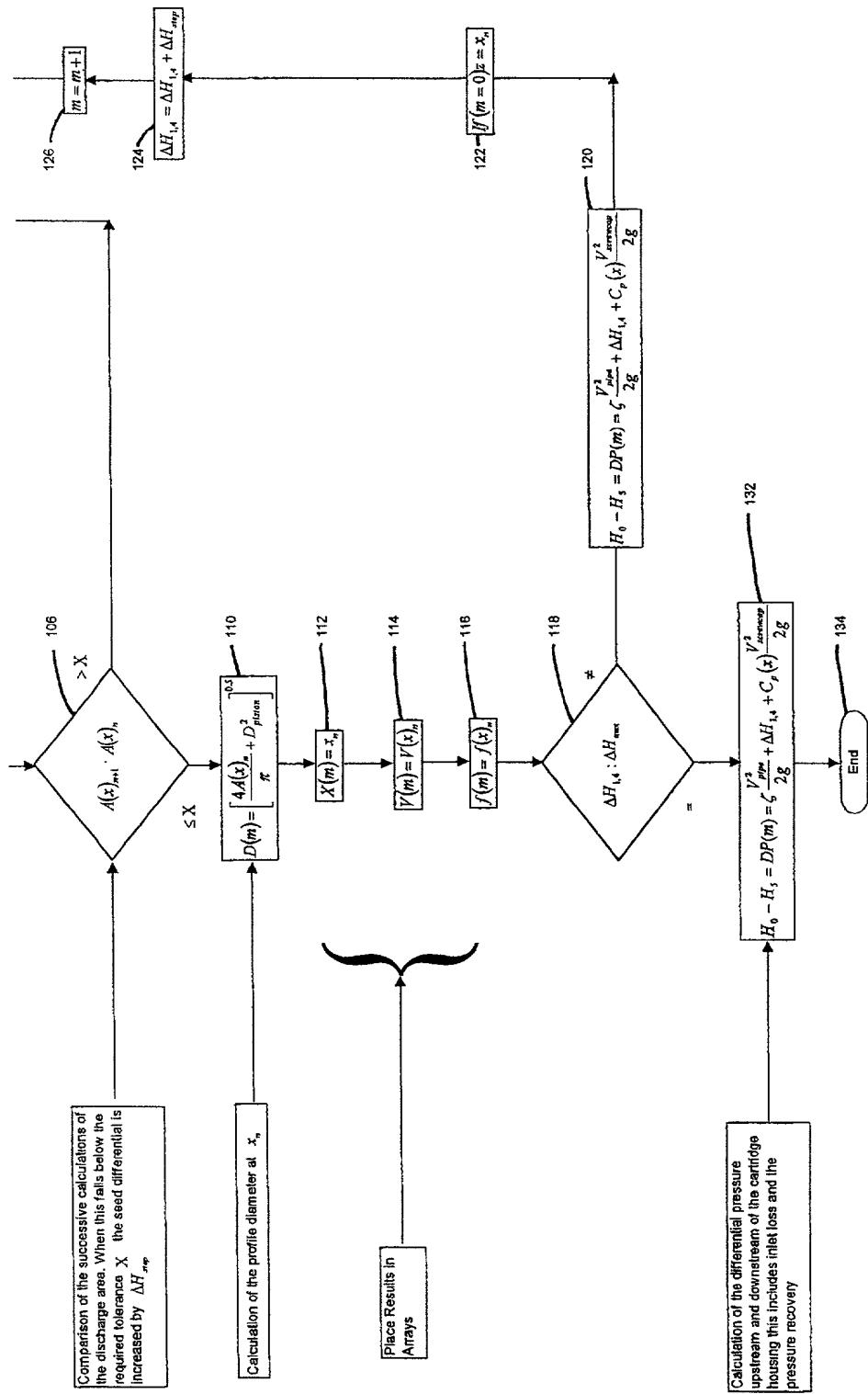


FIGURE 16